



**Ministry of Housing
and Urban Affairs
Government of India**



Swachh Bharat Mission 2.0 (Clean India Mission)

MOEJ-ADB -ERIA Waste Management Seminar

12th January 2023

Swachh Bharat Mission (Urban) – 2014-2019



Major Objectives

Eradication of Open Defecation in all Statutory towns

100% Scientific Solid Waste Management in all Statutory towns

Behaviour Change through 'Jan Andolan'

Implementation Components



Individual household toilets



Community toilets/Public toilets



Solid waste management



Information, Education and Communication (IEC)







Capacity Building (CB)

Outlay ~8 Billion USD

National Framework for achieving vision of Garbage Free Cities by 2026, focusing on

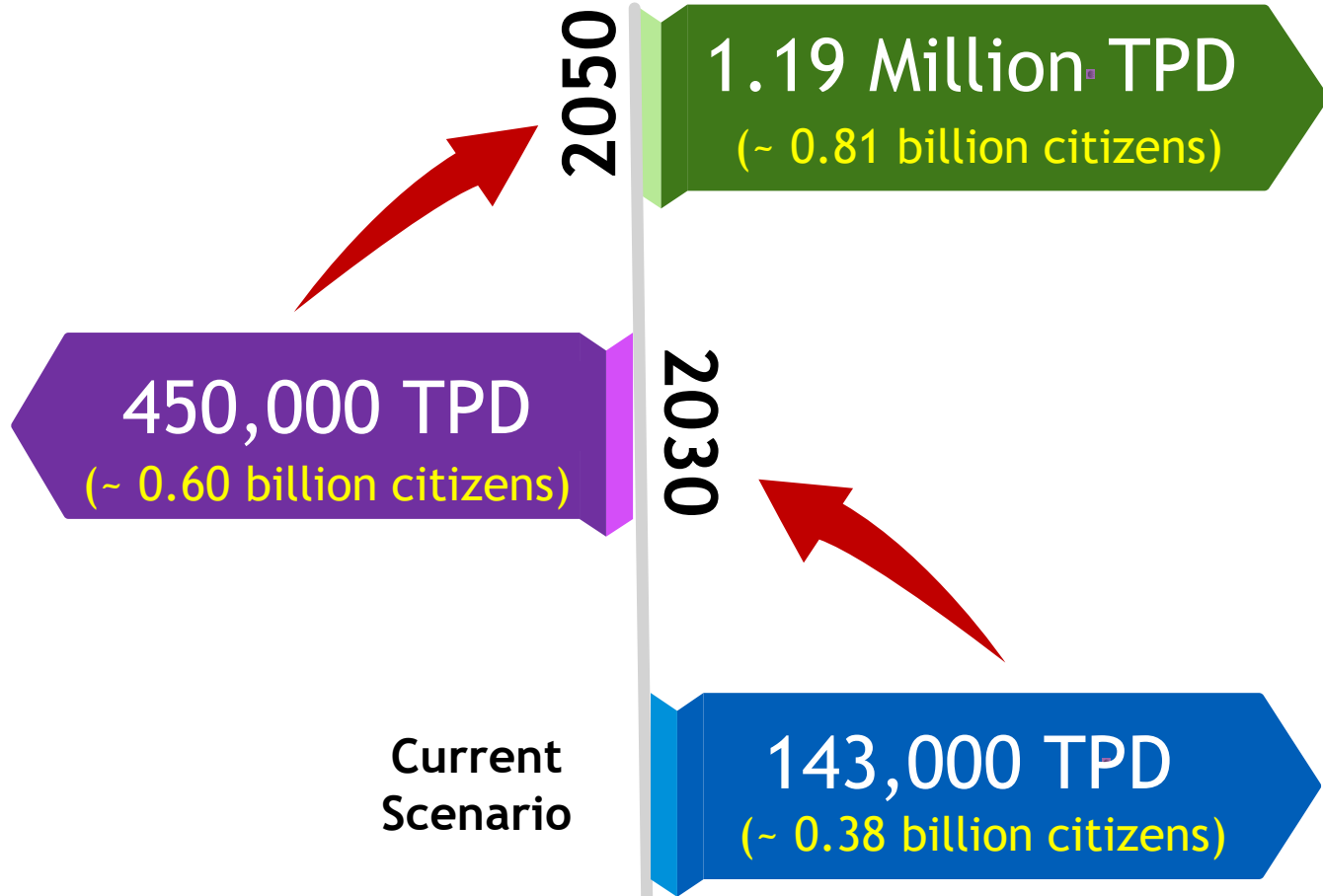
- 1 Sustainable Solid Waste Management
- 2 Sustainable Sanitation
- 3 Used Water Management
- 4 IEC/BCC
- 5 Capacity Building

Largest urban sanitation program sponsored by Govt. with an outlay of **USD ~20 Billion**

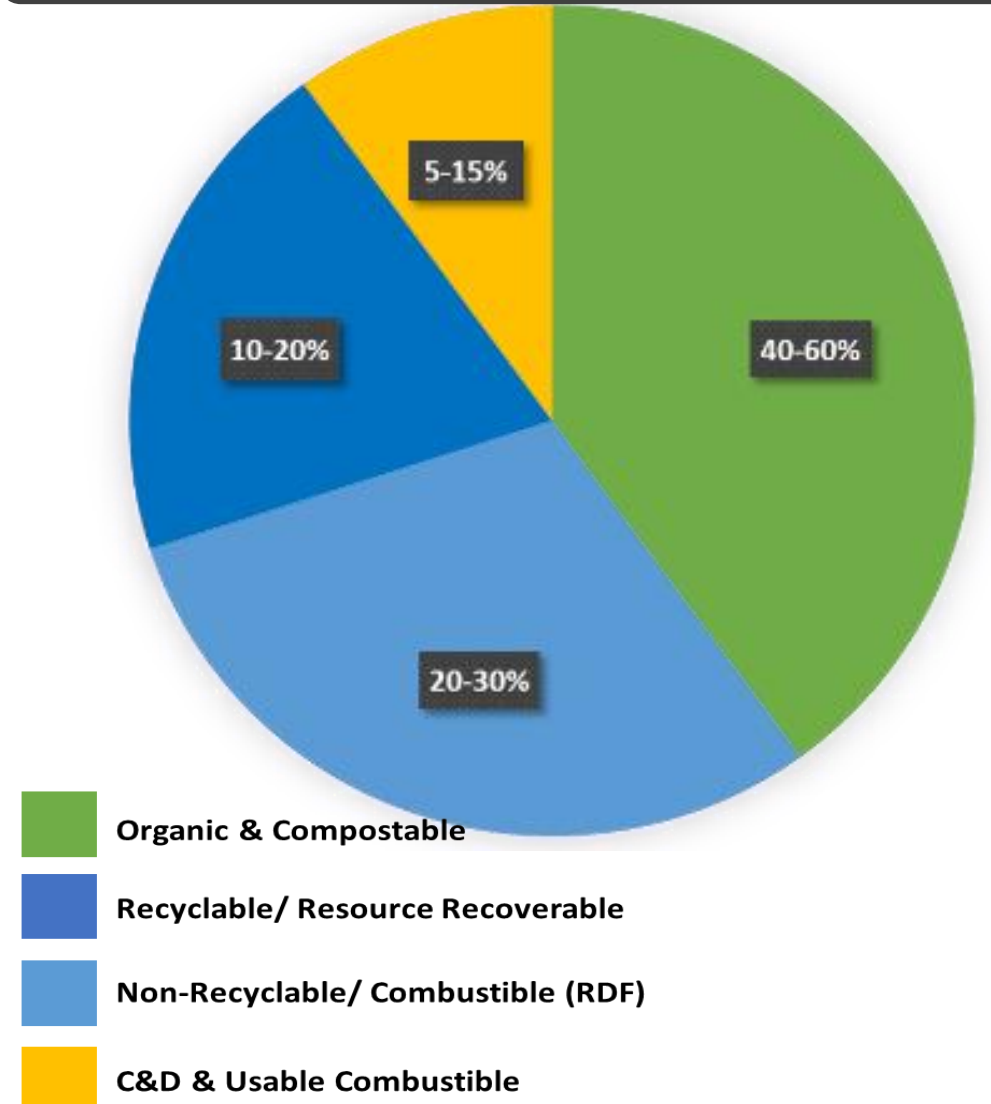
| Cleanliness | Health | Inclusion | Economic Growth |
|---|--|---|---|
|  |  |  |  |
| <p>Competitive Federalism – Swachh Survekshan, GFC & ODF/ Water+ Protocols</p> | <p>Decease in water borne diseases</p> | <p>Employment with dignity to waste pickers</p> | <p>Boost to blue economy through reduced marine littering</p> |
| <p>SDGs met</p> | <p>Improved work productivity with improved health</p> | <p>Manual entry into sewers and septic tanks stopped</p> | |
| <p>200 Millions people engaged</p> | <p>Reduction in households' health related expenditure</p> | <p>Transformation in lives of marginalised sections with integration of safaikarmacharis</p> | <p>Economic growth through Growth in recycling industry & tourism sector</p> |
| <p>Wastewater treatment and reuse</p> | <p>Cleaner water for agriculture</p> | <p>Gender inclusiveness</p> | |

Solid Waste in Urban India

India's Urban Waste Generation



Urban India's Waste Composition



Waste Processing



**Presently 74% waste
processed**

Gap 26%

Target 100% by 2025

Compost

Existing Capacity: **71,000+ TPD**

MRFs

Existing Capacity: **42,000 TPD**

Bio Methanation

Existing Capacity: **2,300+ TPD**

Waste to Electricity

Existing Capacity: **11,500 TPD**
(7 Plants)

Compost

Potential: **30,000+ TPD**

MRFs

Potential: **45,000 TPD**
MRF to be established in every City

Bio Methanation

Potential: **15,000+ TPD**

Waste to Electricity

Under Construction:
10,200 TPD (10 Plants)

Potential: **25,000 TPD**



C&D waste generated in urban India: ~30,000 TPD
C&D waste generated in million plus cities: ~15,000 TPD

Existing capacity

7,500 TPD

Potential (Required Capacity)

10,000 TPD

51 million plus cities covered under National Clean Air Programme (NCAP)

Remediation of all legacy dumpsites and conversion into green zones by March 2026

Current scenario

More than **2,000** legacy dumpsites across the country

170+ MT of legacy waste to be remediated

15,000+ acres of land under legacy waste

250+ dumpsites remediated and 1200+ sites approved under SBM-U 2.0 till date



Plastic Waste Management Elimination of Single Use Plastic (SUP)

Manufacture, import, stocking, distribution, sale and use of SUP less than 120 microns (120 μ i.e. 0.120 mm in thickness) prohibited with effect from 31st December 2022

Types of SUPs banned



Plates, cups, glasses, cutlery, stirrers, ear buds, plastic sticks for ballons, plastic flags, candy sticks, ice cream sticks



Thermocol for decoration



Wrapping films around sweet boxes, invitation cards and cigarette boxes



Plastic or PVC banners of less than 100 micron



IEC initiatives carried out for SUP Ban

SUP Ban notified by all States/UTs as per PWM Rules, 2021

Targets have been fixed for Producer Importer Brand Owners (PIBOs) for reuse, recycle, utilization of recycled plastic and end of life disposal



EPR regulation covers the following w.r.t plastic packaging

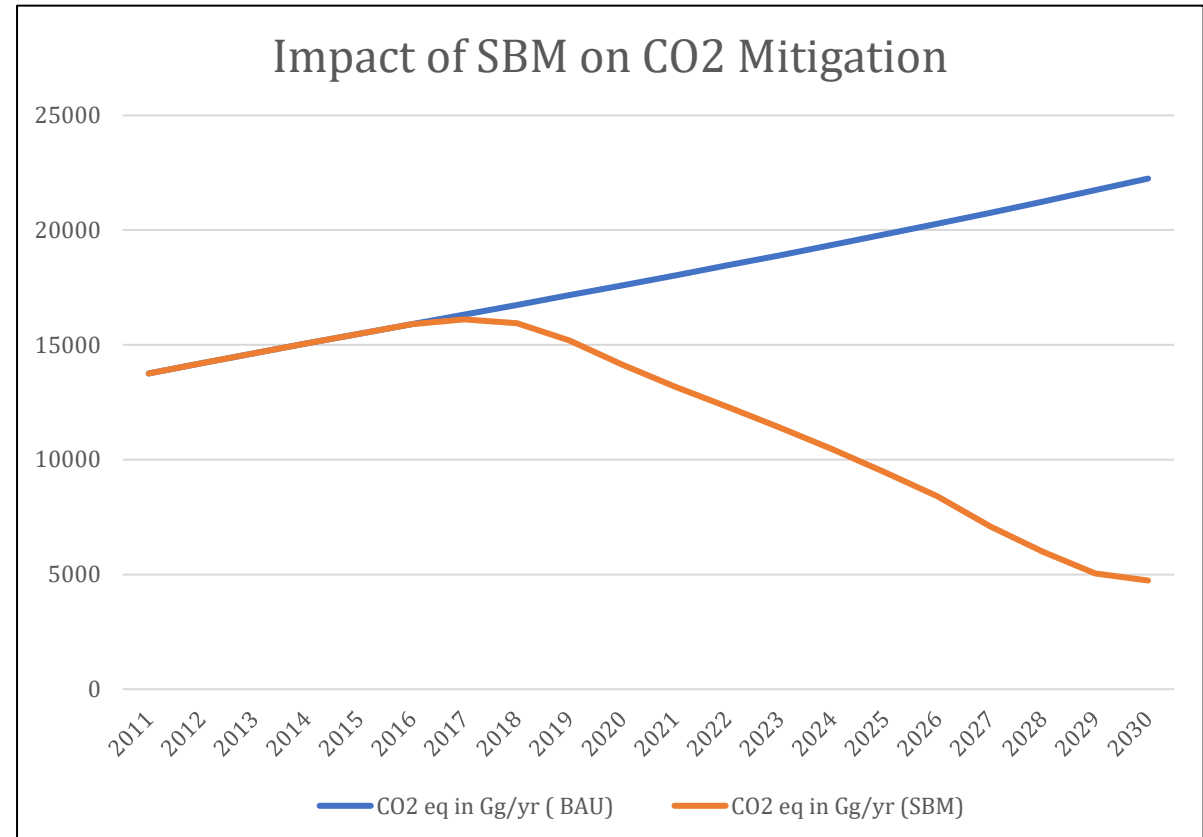
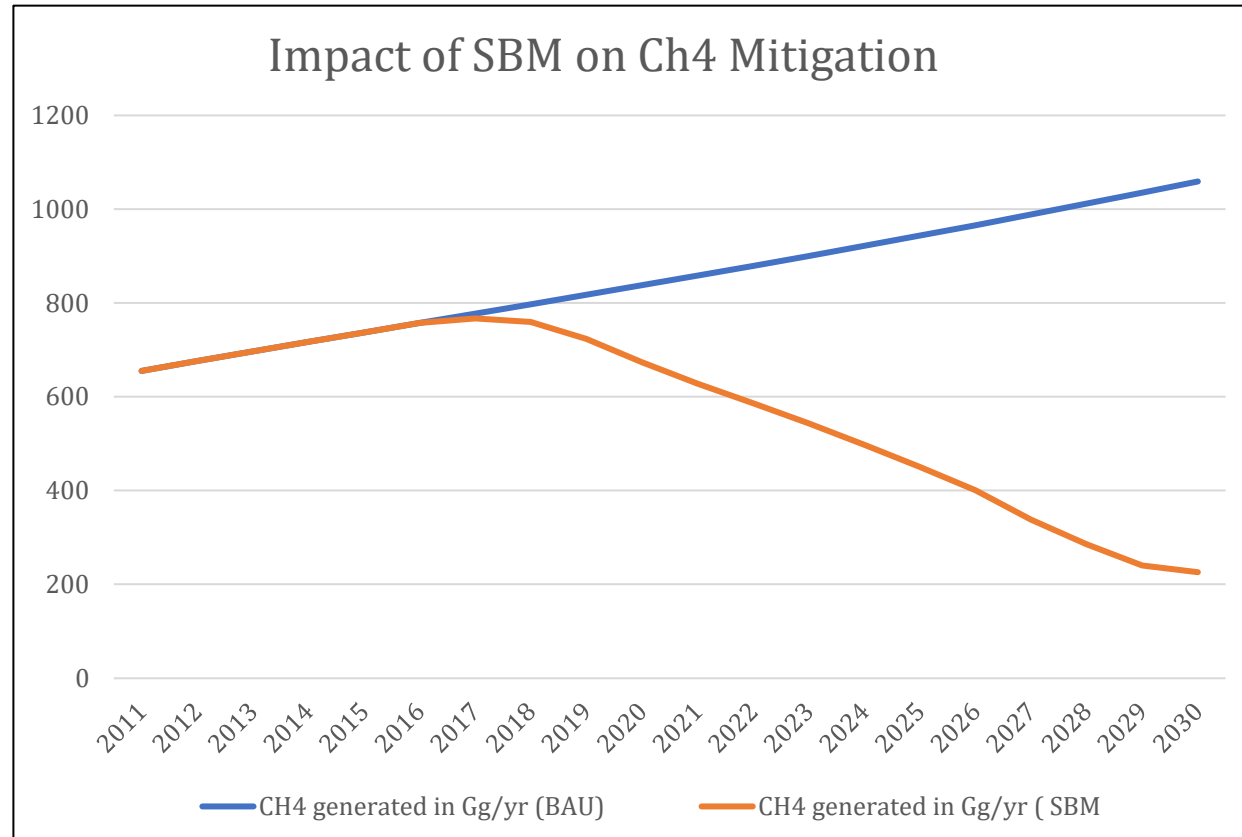
Obligation for reuse

Obligation for recycling

Utilization of recycled plastic content

End of life disposal

Trajectory of Ch4 and CO2 mitigation under SBM-U



Trajectory with intervention and without interventions



Mass movement towards ‘mindful and deliberate utilization, instead of mindless and destructive consumption’ to protect and preserve the environment.

- Hon’ble PM, Shri Narendra Modi at CoP26 in Glassgow



LiFE - 7 themes

1. Energy Saved
2. Water Saved
3. SUP Reduced
4. E-Waste Reduced
5. Sustainable Food System Adopted
6. Waste Reduced
7. Healthy Lifestyle Adopted

**Under SBM-U
 we are working
 on most themes**

Support for R&D on plastic substitutes to reduce the requirement of SUP

Technologies/ solutions for collection, segregation transportation of MSW and automated MRFs

Plastic waste recycling technologies/solutions including MLP

Legacy waste remediation (Fukuoka Method)

C&D Waste Management

Used Water Treatment and Reuse Technologies

Training programs and exposure visits



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Thank You